

ar1
Cont
for inputting twisted pair, mixed data/voice signals to the interface card 42. The second and third cable connectors 56 are used to respectively output twisted pair, voice signals and twisted pair data signals from the interface card 42. These connectors can be referred to as POTS (i.e., voice) and DATA Connectors as labeled in Figure 8. The connectors 54-58 can have the same configuration as the connector shown in Figures 3A and 3B. Referring to Figure 5D, a few representative conductors 28 are shown within the connectors 54-56.--

Please replace the paragraph beginning at page 9, line 12, with the following rewritten paragraph:

a2
--Figures 5A-5D show the back plane interface card 42 equipped with 24 separate circuits capable of handling 24 different twisted pair signals. In the embodiment of Figures 5A-5D, all of the normally closed contacts 68a and 70a are provided at the first card edge connector 60, and all of the normally open contacts 74 are provided at card edge connector 62. Thus, the normally closed contacts 68a and 70a are grouped separately from the normally open contacts 74. This particular configuration is advantageous because a more simplified tracing layout can be used. For example, because the normally closed contacts 68a and 70a are grouped separately from the normally open contacts 74, none of the third tracings 80 are required to cross over any of the first or second tracings 76 and 78. This helps reduce manufacturing costs by reducing the number of layers required to manufacture the circuit board 48. Additionally, the reduction in crossing of the tracings may assist in reducing cross talk at the back plane 46.--

In the Claims

Please cancel claim 29, without prejudice.

Please amend claim 28 as follows:

- sub C1
a2
28. (Amended) A splitter card comprising:
a circuit board;
a plurality of splitters mounted on the circuit board, each splitter being adapted for receiving a mixed voice and data signals and outputting first signals that are voice only and second signals that are data only;

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